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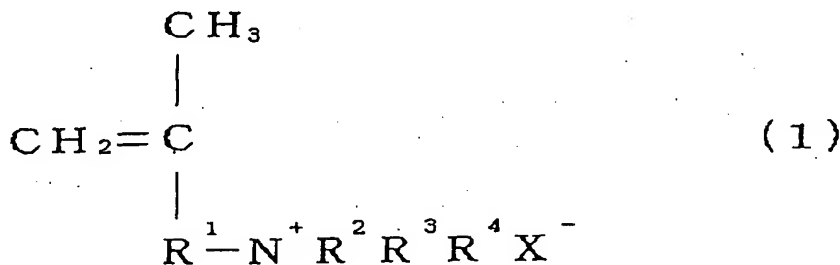
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OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ,

[続葉有]

(54) Title: (METH)ACRYLAMIDE POLYMER, PROCESS FOR PRODUCTION THEREOF, PAPER MAKING CHEMICALS,
PAPERS CONTAINING THE SAME

(54) 発明の名称: (メタ)アクリルアミド系ポリマー、その製造方法、製紙用薬品、及びそれを含有する紙



(57) Abstract: A novel (meth)acrylamide polymer capable of forming paper making chemicals which exhibit excellent paper-strengthening, drainage-improving, yield-improving, interlaminar strength enhancing, surface strength enhancing, sizing-improving effects in acid, neutral, or alkaline paper-making systems; a process for production thereof; and papers made by using the polymer and being excellent in burst strength, internal bond strength and other characteristics. The (meth)acrylamide polymer is characterized by being obtained by polymerizing (a) a monomer represented by the general formula (1) with (b) (meth)acrylamide and (c) an ionic monomer exclusive of the monomers represented by the general formula (1).

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INTERNATIONAL SEARCH REPORT

International Application No.

PCT/JP03/01918

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.⁷ C08F220/56, C08F226/02, C08F228/02, C08F2/00, D21H17/37,
D21H21/10, D21H21/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.⁷ C08F220/56, C08F226/02, C08F228/02, C08F2/00, D21H17/37,
D21H21/10, D21H21/18

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
CA (STN), REGISTRY (STN)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 56-82809 A (AGFA Gevaert AG.), 06 July, 1981 (06.07.81), & EP 29168 A1 & DE 2946465 A & US 4334013 A & CA 1165497 A	1, 3, 7
Y	JP 2000-160499 A (Japan PMC Corp.), 13 June, 2000 (13.06.00), Claims; Par. Nos. [0014] to [0022], [0027] to [0040], [0046] to [0049] (Family: none)	1-11
Y	JP 8-333427 A (Arakawa Chemical Industries, Ltd.), 17 December, 1996 (17.12.96), Claims; Par. Nos. [0007] to [0009] (Family: none)	1-11

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:
"A" document defining the general state of the art which is not
considered to be of particular relevance
"E" earlier document but published on or after the international filing
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combination being obvious to a person skilled in the art
"&" document member of the same patent family

Date of the actual completion of the international search
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Date of mailing of the international search report
03 June, 2003 (03.06.03)

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INTERNATIONAL SEARCH REPORT

International Application No.

PCT/JP03/01918

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 9-13297 A (Japan PMC Corp.), 14 January, 1997 (14.01.97), Claims; Par. Nos. [0015], [0038], [0039] (Family: none)	7-11
Y	JP 7-109692 A (Japan PMC Corp.), 25 April, 1995 (25.04.95), Claims; Par. No. [0014] (Family: none)	7-11